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Publications and Articles From Nutrition and Consumer-Use Research, Issued July-Oct. 1966

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Publications Issued by the USDA:

Consumer expenditures and income--rural farm population, 1961 (detailed tabulations). U.S. Department of Agriculture and U.S. Bureau of Labor Statistics cooperating in Nationwide Survey.
CES 31 Northeast region. 94 pp. July 1966
CES 32 North central region. 122 pp. July 1966
CES 33 Southern region. 122 pp. July 1966
CES 34 Western region. 80 pp. July 1966
CES 35 United States. 122 pp. Aug. 1966

Family Economics Review, ARS 62-5, 23 pp., illus. Sept. 1966:
Clothing expenditure of U.S. families. V. Britton.
Home freezer management survey: The families and their freezers. R. Redstrom.
Home production and the family's food. J. Pennock.
Recent publications from the consumer expenditure survey
A simplified method of finding the annual interest rate on installment credit. E. Holmes and C. M. Jaeger.
Food prices in low- and high-income neighborhoods
More aged persons to receive social security payments
U.S. incomes in 1965
Consumer prices
Cost of food at home
Some new USDA publications

*Handbook of agricultural charts, 1966. Agr. Handb. 325, 155 pp., illus. Oct. 1966. Econ. Res., Statis. Rprtng, Agr. Res. and Foreign Agr. Res. Services cooperating. (Section 6, "The Family," pp. 63-69 contributed by Consumer and Food Economics Research Division) 45 cents.

Family food spending--A preview from the 1965-66 nationwide survey. F. Clark. Unnumbered. 12 pp. Sept. 1966. (Processed). Presented at Nat. Workshop for Ext. Food and Nutr. Specialists, Dallas, Texas, Sept. 20, 1966.

Eggs in family meals: A guide for consumers. Human Nutrition Research Division. Home and Garden Bul. 103, 32 pp., illus. Sl. rev. Aug. 1966.

Publications Issued by the USDA--continued

Peanut and peanut butter recipes. Human Nutrition Research Division. Home and Garden Bul. 36, 20 pp. Sl. rev. Aug. 1966.

Nutrition Program News:
Nutrition activities in poverty programs. H. P. Fowler, 4 pp. July-Aug. 1966
Nutrition program news reviewed. H. P. Fowler, 4 pp. Sept.-Oct. 1966

Articles Published in Professional Journals:
(U.S. Department of Agriculture usually cannot furnish reprints of articles)

Performance of fats in white cake. R. H. Matthews and E. H. Dawson. Cereal Chem. 43(5): 538-546. Sept. 1966.

Proximate composition of ready-to-serve potato products. E. W. Murphy, A. C. Marsh, K. E. White, and S. N. Hagan. Amer. Dietet. Assoc. Jour. 49(2): 122-127. Aug. 1966.

Longer survival of rats fed oxidized vegetable oils. (Abs.) H. Kaunitz, R. E. Johnson, L. Pegus. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 155. Contract research with Columbia Univ., supported in part by Human Nutr. Res. Div. Presented at the Congress, Aug. 1966.

Carbohydrate metabolism and physical activity in rats fed diets containing purified casein versus a mixture of amino acids simulating casein. R. A. Ahrens and J. E. Wilson, Jr. Jour. Nutr. 90(1): 63-70, illus. Sept. 1966.

Plasma amino acid content of young men receiving diets containing wheat and wheat supplemented with pinto beans, rice or peanut butter. (Abs.) S. Ganapathy, L. Booker, C. Rumph, and C. Edwards. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 178. Contract research with Agr. & Tech. Col. of No. Car., supported in part by Human Nutr. Res. Div. Presented at the Congress, Aug. 1966.

The excretion patterns of vitamin B_6 and vitamin B_{12} in preadolescent girls. S. J. Ritchey and R. M. Feeley. Jour. Nutr. 89(4): 411-413. Aug. 1966. So. Region. Res. Proj., Human Nutr. Res. Div. cooperating.

A conceptual approach to nutrition education. M. M. Hill. Amer. Dietet. Assoc. Jour. 49(1): 20-22. July 1966.

Food needs and energy used in weight reduction. R. M. Leverton. Amer. Dietet. Assoc. Jour. 49(1): 23-26. July 1966.

The effect of ambient temperature and relative humidity on the physiological responses, including energy expenditures of women at work. (Abs.) M. Richardson. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 338. Presented at the Congress, Aug. 1966.

Work-surface levels for laundry tasks in relation to human energy expenditures. M. Richardson and E. C McCracken. Jour. Home Econ. 58(8): 662-668, illus. Oct. 1966.

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Publications and Articles From Nutrition and Consumer-Use Research, Issued Nov.-Dec. 1966

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Publications Issued by the USDA:

Nutrition Program News--Community nutrition training programs for dietitians. H. P. Fowler. 4 pp. Nov.-Dec. 1966.

Family food stockpile for survival. Home and Garden Bul. 77, 16 pp., illus. Sl. Rev. Nov. 1966. (Prepared by USDA in coop. with Off. of Civil Defense; section on "Food" contributed by Consumer and Food Econ. Res. Div.)

Storing perishable foods in the home. Human Nutrition Research Division. Home and Garden Bul. 78, 12 pp., illus. Sl. Rev. Oct. 1966.

Changing patterns of family food spending. F. Clark. Unnumbered. 11 pp., illus. Nov. 1966. (Processed). Presented at 44th Ann. Agr. Outlook Conf., Washington, D.C., Nov. 1966.

Cost of raising a child. L. F. Mork. Unnumbered. 16 pp., illus. Nov. 1966. (Processed). Presented at 44th Ann. Agr. Outlook Conf., Washington, D.C., Nov. 1966.

The outlook for home furnishings and equipment for 1967. K. Smythe. Unnumbered. 15 pp., illus. Nov. 1966. (Processed). Presented at 44th Ann. Agr. Outlook Conf., Washington, D.C., Nov. 1966.

Clothing and textiles: Supplies, prices, and outlook for 1967. V. Britton. Unnumbered. 12 pp., illus. Nov. 1966. (Processed). Presented at 44th Ann. Agr. Outlook Conf., Washington, D.C., Nov. 1966.

Articles Published in Professional Journals:

(U.S. Department of Agriculture usually cannot furnish reprints of articles)

Eating quality of some baked products made with instant flour. R. H. Matthews and E. A. Bechtel. Jour. Home Econ. 58(9): 729-730. Nov. 1966.

Articles Published in Professional Journals (Continued)
U.S. Department of Agriculture usually cannot furnish reprints of articles

Assay methodology studies of carbohydrate fractions of wheat products. J. F. Eheart and B. S. Mason. Jour. Assoc. Off. Analyt. Chem. 49(5): 907-912. Oct. 1966.

Composition of raw and roasted lamb and mutton. I. Physical and proximate composition. E. W. Murphy, E. W. Toepfer, A. C. Marsh, and S. N. Hagan; II. Amino acids. A. E. Blum, H. Litchtenstein, and E. W. Murphy. Jour. Food Sci. 31(6): 994-1004, illus. Nov.-Dec. 1966.

Conversion of DDT to TDE in canned spinach. R. P. Farrow, E. R. Elkins, Jr., and R. W. Cook. Agr. and Food Chem. Jour. 14(4): 430-434, illus. July-Aug. 1966. Contract with Nat. Canners Assoc. Res. Found., supported in part by Human Nutr. Res. Div.

Synthesis of cholesterol and total lipid by male and female rats fed beef tallow or corn oil. J. Dupont. Lipids 1(6): 409-414, illus. Nov. 1966.

Longer survival time of rats fed oxidized vegetable oils. H. Kaunitz, R. E. Johnson, and L. Pegus. Proc., Soc. for Expt. Biol. and Med. 123: 204-206. 1966. Abstract in Abstracts of Papers, VIIth International Cong. of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 155. Contract with Columbia Univ., supported in part by Human Nutr. Res. Div. Presented at the Congress, Aug. 1966.

Nutritional review. B. Friend. In Nat. Food Sit., (NFS-118), pp. 42-46, illus. Nov. 1966. (Reprinted as CFE(Adm.)-299-1. Dec. 1966).

Fabrics as disseminators of viruses--humidity, type of cloth affect persistence. R. W. Sidwell and G. J. Dixon. South. Res. Inst. Bul. 19(2): 3-7, illus. Winter 1966. Contract with South. Res. Inst., supported in part by Clothing and Housing Res. Div.

Relationship of wear and laboratory tests in slip covers made of 35 fabrics. H. M. Fletcher and M. L. Hensley. Jour. Home Econ. 58(9): 740-744. Nov. 1966.

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STATUS REPORT OF PUBLICATIONS
from Nutrition and Consumer-Use Research Divisions
Agricultural Research Service
July-Oct. 1966

PUBLISHED

Bulletins

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Nutritional studies on rice and sweet potato for the improvement of Formosan diet. Tsu-Hsing Yang. Final Report of FG-Ta-106 Project, July 15, 1963 to May 20, 1966, 11 pp. (Processed). PL 480 research with Col. of Agr., Nat. Taiwan Univ.

Status Report of Publications--July-Oct. 1966
Published--continued

Bulletins--continued

Eggs in family meals: A guide for consumers. Human Nutrition Research Division. Home and Garden Bul. 103, 32 pp., illus. Sl. rev. Aug. 1966.

Food for thrifty families (a teaching kit). Federal Extension Service, Consumer and Marketing Serv., and Agr. Res. Serv. cooperating. Oct. 1966.

Peanut and peanut butter recipes. Human Nutrition Research Division. Home and Garden Bul. 36, 20 pp. Sl. rev. Aug. 1966.

Articles

Performance of fats in white cake. R. H. Matthews and E. H. Dawson. Cereal Chem. 43(5): 538-546. Sept. 1966. Presented at Inst. of Food Technol., Washington, D.C., May 1964.

Proximate composition of ready-to-serve potato products. E. W. Murphy, A. C. Marsh, K. E. White, and S. N. Hagan. Amer. Dietet. Assoc. Jour. 49(2): 122-127. Aug. 1966.

Longer survival of rats fed oxidized vegetable oils. (Abs.) H. Kaunits, R. E. Johnson, L. Legus. In Abstacts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 155. Contract research with Columbia Univ., supported in part by Human Nutr. Res. Div. Presented at the Congress, Aug. 1966.

Carbohydrate metabolism and physical activity in rats fed diets containing purified casein versus a mixture of amino acids simulating casein. R. A. Ahrens and J. E. Wilson, Jr. Jour. Nutr. 90(1): 63-70, illus. Sept. 1966. Presented at Fed. of Amer. Soc. for Expt. Biol., Atlantic City, N.J., Apr. 1966.

Plasma amino acid content of young men receiving diets containing wheat and wheat supplemented with pinto beans, rice or peanut butter. (Abs.) S. Ganapathy, L. Booker, C. Rumph, and C. Edwards. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 178. Contract research with Agr. & Tech. Col. of No. Car., supported in part by Human Nutr. Res. Div. Presented at the Congress, Aug. 1966.

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Food needs and energy used in weight reduction. R. M. Leverton. Amer. Dietet. Assoc. Jour. 49(1): 23-26. July 1966. Presented at Ann. Meet. of the Assoc., Cleveland, Ohio, Nov. 1965

Food storing in households and emergency food supplies in U.S.A. (Abs.) W. A. Gortner. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 86. Presented at the Congress, Aug. 1966.

Articles--continued

A check on U.S. food consumption, 1965-66. S. F. Adelson. Potomac Post(D.C. Dietet. Assoc.) 21(3): 1, 2. Fall 1966.

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The effect of ambient temperature and relative humidity on the physiological responses, including energy expenditures of women at work. (Abs.) M. Richardson. In Abstracts of Papers, VIIth International Congress of Nutr., Hamburg, Germany, Aug. 3-10, 1966, p. 338. Presented at the Congress, Aug. 1966.

IN PRESS OR APPROVED FOR PRINTING

Bulletins

Beef and veal in family meals: A guide for consumers. Home and Garden Bul. 118. Galley proof ret. Oct. 21, 1966.

Lamb in family meals: A guide for consumers. Home and Garden Bul. To OI Oct. 12, 1966.

Pork in family meals: A guide for consumers. Home and Garden Bul. To ARS Inf. Div. June 30, 1965.

Milk in family meals: A guide for consumers. Home and Garden Bul. To ARS Inf. Div. July 1, 1965.

Fruits in family meals: A guide for consumers. Home and Garden Bul. To ARS Inf. Div. Jan. 28, 1966.

Cereals and pasta in family meals: A guide for consumers. Home and Garden Bul. To ARS Inf. Div. July 11, 1966.

Food for fitness...A daily food guide. Consumer and Food Econ. Res. Div./ Sl. rev. of Leaflet 424. To OI Aug. 23, 1966.

Family fare...food management and recipes. (Rev. of G-1). To ARS Inf. Div. Mar. 2, 1966.

How to make jellies, jams, and preserves at home. (Rev. of G-56). Galley proof rec'd ARS Inf. Div. Sept. 29, 1966.

Metabolic patterns in preadolescent children. Basic data. Home Econ. Res. Rpt. Human Nutr. Res. Div. in coop. with Ga., Ky., La., Miss., Okla., Tenn., and Va. Agr. Expt. Stations. To OI Oct. 13, 1966.

Soaps and detergents for home laundering. V. McLendon. (Rev. of G-49). To ARS Inf. Div. Mar. 11, 1966.

Planning bathrooms for today's homes. (Rev. of G-99). Rev. page proof ret. to ARS Inf. Div. Oct. 31, 1966.

Status report of publications--July-Oct. 1966
In press or approved for printing--continued

Articles

Quality of six tomato varieties as affected by some compositional factors. P. A. Simandle, J. L. Brogdon, J. P. Sweeney, and E. O. Mobley, HN Res. Div.; D. W. Davis, CR Res. Div. Accepted, Dec. issue, Proc. of Amer. Soc. for Hort. Sci.

Canned apricots--A comparison of two forms. M.S.Sines and M.A.Moss. To Sch. Lunch Jour. Oct. 31, 1966.

Quality of reconstituted sweetpotato flakes as related to the proportion of water. L. H. Fulton, G. L. Gilpin, and E. H. Dawson. Accepted, Jan. or Feb. 1967, Jour. Home Econ.

Sugar and acid content of the edible portion of fruits from the wholesale market. J. F. Eheart and B. S. Mason. Accepted, Amer. Dietet. Assoc. Jour.

Assay methodology studies of carbohydrate fractions of wheat products. J. F. Eheart and B. S. Mason. To Jour. Assoc. Offic. Analyt. Chem. June 17, 1966.

Eating quality of some baked products made with instant flour. R. H. Matthews and E. A. Bechtel. Accepted, Jour. Home Econ.

Sensory testing of foods and beverages. E. H. Dawson. Accepted, Food Quality Control Jour.

Flavor of peanuts grown in phorate-treated plots. J. L. Brogdon and E. H. Dawson. To Jour. Econ. Entomology, Oct. 13, 1966.

Effect of selected internal and oven temperatures on eating quality of roasted or braised light and dark meat turkey roasts. I. M. Hoke, B. K. McGeary and M. K. Kleve. To Food Technol./Food Sci. Sept. 14, 1966.

Composition and palatability characteristics of mild-cured hams in relation to heating, cover fat, and marbling. O. M. Batcher, E. W. Murphy, E. H. Dawson, A. C. Marsh, S. N. Hagan, and P. A. Deary. Accepted, Food Technol.

Composition of raw and roasted lamb and mutton. I. Physical and chemical composition. E. W. Murphy, E. W. Toepfer, A. C. Marsh, and S. H. Hagan; II. Amino acids. A. E. Blum, H. Lichtenstein, and E. W. Murphy. Accepted, Food Sci.

Lipids of raw and cooked beef and pork. A. M. Campbell and P. K. Turkki. Contract research with Univ. of Tenn., supported in part by Human Nutr. Res. Div. Approved by HN for publication in Food Sci.

Extraction of lipids from raw beef lean using various solvent systems. S. N. Hagan, E. W. Murphy, and L. M. Shelley. To Assoc. of Offic. Analyt. Chem. Oct. 19, 1966.

Identification and estimation of tocopherols by gas-liquid chromatography. H. T. Slover, L. M. Shelley, and T. L. Burks. To Lipids Sept. 23, 1966. Presented at Spring meet., Amer. Oil Chem. Soc., Los Angeles, Calif., Apr. 1966.

The formation of folic acid derivatives by leuconostoc mesenteroides. T. P. O'Barr and J. B. Lobl. To Jour. Bacteriol. Sept. 19, 1966.

Articles--continued

Effects of long-term feeding of milk and milk components to rats. M. Womack, R. A. Ahrens, and J. E. Wilson, Jr. Accepted, Jour. Dairy Sci.

Thyroids and pituatary pathology in iodine-deficient rats fed fresh and oxidized fats and oils. H. Kaunits. Accepted, Jour. Nutr. Contract research with Columbia Univ., supported in part by Human Nutr. Res. Div.

Composition and structure of triglycerides from dietary fats and rat organs. H. Kaunitz, R. Johnson, and J. Miraglia. Contract research with Columbia Univ., supported in part by Human Nutr. Res. Div. Approved by HN for publication in a journal.

Long-term responses of rats to heat-treated dietary fat. IV. Weight gains, feed and energy efficiencies, apparent health and longevity. E. E. Rice and others. Contract research with Swift and Co., supported in part by Human Nutr. Res. Div. Approved by HN for publication in Jour. Amer. Oil Chem. Soc.

Longer survival time of rats fed oxidized vegetable oils. H. Kaunitz, R. E. Johnson, and L. Pegus. Accepted, Proc. Expt. Biol and Med. Contract research with Columbia Univ., supported in part by Human Nutr. Res. Div.

Influence of dietary carbohydrates on liver content and on serum lipids in relation to age and strain of rat. D. D. Taylor, E. S. Conway, E. M. Schuster and M. Adams. Accepted, Jour. Nutr.

Influence of heredity on response of inbred rats to diet. I. Differences in body size, food intakes, incidence of spontaneous kidney defects, kidney weights, urine pH and protein. M. W. Marshall and R. F. Lehmann. Rev. mscpt to Metabolism, Oct. 12, 1966.

Influence of age, strain and sex on body composition of rats. I. Interrelationships between total body fat, body lengths, girths and selected skinfold thicknesses of individual rats. M. W. Marshall, B. P. Smith, and R. P. Lehmann. To Growth Sept. 27, 1966; II. Interrelationships between total body fat, organ weights and serum cholesterol. To Growth Oct. 26, 1966.

Synthesis of cholesterol and total lipid by male and female rats fed beef tallow or corn oil. J. Dupont. Accepted, Lipids.

The effect of frequency and size of meals on serum lipid levels, nitrogen and mineral retention, fat digestibility, and urinary excretion of thiamine and riboflavin in young women. M. I. Irwin and R. M. Feeley. To Amer. Jour. Clinical Nutr. Oct. 6, 1966.

Influence of dietary protein on serum lipids and on fat, mitrogen and mineral metabolism of older men. H. M. Fox, H. Linkswiler, and P. C. Fry. Contract research with Univ. of Nebr., supported in part by Human Nutr. Res. Div. Accepted, Amer. Jour. Clinical Nutr.

Growth of Hong Kong children--on diets containing rice or rice-and-wheat with and without nutrient supplements. P. C. Fry, R. M. Leverton and S. Goksu. Accepted, Amer. Jour. Clinical Nutr. (USDA grant under PL 480 with Univ. of Hong Kong and Wheat Associates, Inc.)

Status report of publications--continued
In press or approved for printing--continued

Articles--continued

Slip covers made of 35 fabrics. H. Fletcher and M. Hensley. Accepted, Nov. Jour. Home Econ.

Yellowing of bleached cotton fabrics during storage. V. McLendon and F.Richardson. To Amer. Dyestuff Rptr. June 11, 1965.

Laundry equipment for the home used with sodium perborate bleach to maintain whiteness in naturally soiled cottons. R. K. Taube and N. D. Poole. To Amer. Dyestuff Rptr. June 8, 1965.

Use of modern home laundry equipment: Changes in color and dimensions of selected white fabrics as a result of various laundering procedures. R. K. Taube and N. D. Poole. Accepted, Amer. Dyestuff Rptr.

Determination of soleplate temperatures for ironing fabrics of different fibers. R. K. Taube and E. S. Ross. To Jour. Home Econ. Aug. 30, 1965.

PAPERS AND TALKS BEFORE PROFESSIONAL AND INDUSTRY GROUPS

7th International Congress of Nutrition, Hamburg, Germany, Aug. 3-10, 1966

The effect of ambient temperature and relative humidity on the physiological responses, including energy expenditures of women at work. M. Richardson.

Food storing in households and emergency food supplies in U.S.A. W. A. Gortner.

Plasma amino acid content of young men receiving diets containing wheat and wheat supplemented with pinto beans, rice or peanut butter. S. Ganapathy, L. Booker, C. Rumph, and C. Edwards. Contract research with Agr. & Tech. Col. of No. Car.

Longer survival of rats fed oxidized vegetable oils. H. Kaunitz, R. E. Johnson, and L. Pegus. Contract research with Columbia Univ.

152nd National Meeting of Amer. Chem. Soc., New York City, Sept. 11-16, 1966

Removal of sevin residues from tomatoes during commercial and home preparative procedures. R. P. Farrow, F. Lamb, R. W. Cook, B. Bermans, J. Kimball, and E. R. Elkins. Contract research with Nat. Canners Assoc.

Removal of DDT residues from tomatoes during commercial and home preparation. R. Lamb, R. P. Farrow, J. Kimball, E. R. Elkins, B. Bermans, and R. W. Cook. Contract research with Nat. Canners Assoc.

Nutritional status of Hong Kong children on diets containing rice or rice-and-wheat with and without nutrient supplements. R. M. Leverton and P. C. Fry. 11th Pacific Sci. Cong., Tokyo, Japan, Aug. 30, 1966.

Soybean protein in mixed foods. R. M. Leverton. International Conf. on Soybean Protein Foods, Peoria, Ill., Oct. 17, 1966.

International facets of USDA nutrition research. W. A. Gortner. Ann. Meet. of Amer. Dietet. Assoc., Boston, Mass., Oct. 27, 1966.

Nutrition research for international programs. K. Cronister. State Presidents' Workshop, sponsored by Amer. Home Econ. Assoc., Washington, D.C., Oct. 17, 1966.

Papers and talks before professional and industry groups--continued

Nutritional potential of the school lunch. R. M. Leverton. Nat. Sch. Lunch and Food Distribution Conf., Washington, D.C., Aug. 4, 1966.

Basic concepts of nutrition. M. M. Hill. Opening Session, Nutrition Workshop, Charleston, W.Va., Aug. 15, 1966.

Motivation. M. M. Hill. Luncheon Meeting, Nutrition Workshop, Charleston, W.Va., Aug. 15, 1966.

Family food spending--A preview from the 1965-66 nationwide survey. F. Clark. Nat. Workshop for Ext. Food and Nutr. Specialists, Dallas, Tex., Sept. 20, 1966.

The merits of time and temperature recommendations for determining the end-point for cooking fryer-roaster turkeys and turkey roasts. I. M. Hoke. Turkey Cookery Symposium, Purdue Univ., Lafayette, Ind., Oct. 3-4, 1966.

VISITORS

July, total ---------- 403
59 persons from 24 countries outside the United States
344 persons from 22 States, and District of Columbia

August, total ---------- 299
107 persons from 30 countries outside the United States
192 persons from 16 States and District of Columbia

September, total ---------- 195
150 persons from 37 countries outside the United States
45 persons from 14 States and District of Columbia

October, total ---------- 130
62 persons from 13 countries outside the United States
68 persons from 9 States and District of Columbia

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